

Appl. No. 09/880,266
Amdt. Dated June 24, 2005
Reply to Office action of March 28, 2005
Attorney Docket No. P14976-US2
EUS/J/P/05-3148

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of managing an Emergency Services Call (ESC) within a mobile network while a subscriber is engaged in an on-going call, wherein the network includes a serving entity, an anchor entity, a Position Determination Entity (PDE), and an Emergency Services Entity (ESE), the method comprising the steps of:

- handing off the on-going call from the anchor entity to the serving entity;
- responsive to an emergency condition, the subscriber invoking the ESC via 3-way calling while maintaining the on-going call;
- receiving a request for the ESC at the serving entity;
- receiving a request for a current geographic position of the subscriber at the PDE;
- determining the current geographic position of the subscriber by the PDE;
- receiving the current geographic position of the subscriber at the serving entity;
- sending the current geographic position to the anchor entity;
- setting up the ESC between the anchor entity and the ESE, wherein the current geographic position is included in the call setup message; and
- updating the anchor entity with the current geographic position .

2. (Previously Presented) The method of Claim 1, wherein the step of receiving a request for the ESC at the serving entity further includes the step of:

- receiving the request for the ESC after the on-going call is placed on hold.

3. (Previously Presented) The method of Claim 1, wherein the serving entity includes a Serving Mobile Switching Center (SMSC) and an associated Mobile

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Position Center (SMPC), and wherein the step of receiving a request for a current location of the subscriber at the PDE further includes the steps of:

 sending an Intersystem Position Request (ISPOSREQ) message from the SMSC to the SMPC; and

 sending a Geoposition Request (GPOSREQ) from the SMPC to the PDE.

4. (Previously Presented) The method of Claim 1, wherein the serving entity includes a Serving Mobile Switching Center (SMSC) and an associated Mobile Position Center (SMPC), and wherein the step of receiving the current location of the subscriber at the serving entity further includes the steps of:

 sending a response including the current location of the subscriber from the PDE to the SMPC; and

 sending an isposreq response including the current location of the subscriber from the SMPC to the SMSC.

5. (Previously Presented) The method of Claim 1, wherein the serving entity includes a Serving Mobile Switching Center (SMSC) and an associated Mobile Position Center (SMPC), and wherein the step of sending the current location to the anchor entity further includes the step of:

 sending a Flash Request (FLASHREQ) message including the current location from the serving entity to the anchor entity.

6. (Previously Presented) The method of Claim 1, wherein the anchor entity includes an Anchor Mobile Switching Center (AMSC) and an associated Mobile Position Center (AMPC), and wherein the step of subsequently updating the anchor entity with the current location further includes the step of:

 sending a Geoposition Direct (GPOSDIR) message including the current location of the subscriber from the AMSC to the AMPC.

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7. (Original) The method of Claim 1, wherein the ESE is an Emergency Services Network Entity.

8. (Canceled)

9. (Currently Amended) A mobile network for managing an Emergency Services Call (ESC) invoked by a subscriber while the subscriber is engaged in an on-going call that has been handed off from the anchor entity to the serving entity to serve the subscriber at a current location, comprising:

an Anchor Entity for updating the current location prior to setting up the ESC;

a Serving Entity in electronic communication with the Anchor Entity for maintaining the on-going call;

a Position Determining Entity (PDE) in electronic communication with the Serving Entity; for determining the current geographic position of the subscriber;

an Emergency Services Entity (ESE) in electronic communication with the Anchor Entity; and

a 3-way calling function enabling the initiation of the ESC to the ESE while maintaining the on-going call.

10. (Previously Presented) The network of Claim 9, wherein the Serving Entity includes:

a Serving Mobile Switching Center (SMSC) in electronic communication with the PDE; and

an associated Serving Mobile Position Center (SMPC) in electronic communication with the SMSC.

11. (Previously Presented) The network of Claim 9, wherein the Anchor Entity includes:

an Anchor Mobile Switching Center (AMSC) in electronic communication with the Serving Entity; and

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an associated Anchor Mobile Position Center (AMPC) in electronic communication with the AMSC.

12. (Original) The network of Claim 9, wherein the ESE is an Emergency Services Network Entity.

13. (Currently Amended) A method of managing an Emergency Services Call (ESC) within a mobile network while a non-troubled subscriber is engaged in an on-going call with a troubled subscriber at a troubled location, wherein the network includes a serving entity, an anchor entity, a Position Determination Entity (PDE), and an Emergency Services Entity (ESE), the method comprising the steps of:

handing off the on-going call from the anchor entity to the serving entity;

responsive to an emergency condition, the subscriber invoking the ESC via 3-way calling while maintaining the on-going call

receiving a request for the ESC at the serving entity;

receiving a request for the troubled location of the troubled subscriber at the PDE;

determining the troubled geographic position of the troubled subscriber by the PDE;

receiving the troubled geographic position of the troubled subscriber at the serving entity;

sending the troubled geographic position to the anchor entity; and

setting up the ESC between the anchor entity and the ESE.

14. (Previously Presented) The method of Claim 13, wherein the request for the ESC includes a special key code entered by the subscriber indicating that the troubled geographic position will be determined by the PDE.